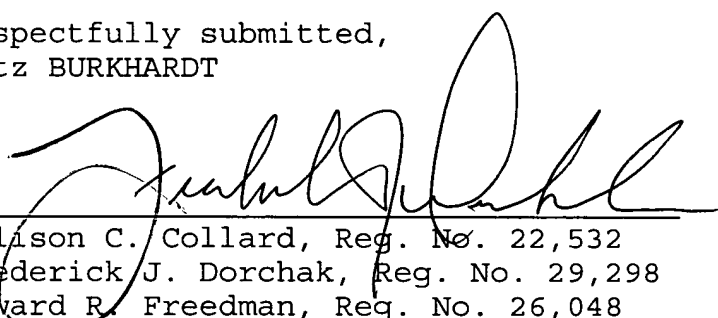


REMARKS/ARGUMENTS

By this Preliminary Amendment, the application has been amended to conform with U.S. practice. An Abstract of the Disclosure on its own separate page has been added. In addition,, the cross-reference to related applications has been inserted on page 1. An obvious omission of a word in the printed WO application has been inserted in pages 14 and 15. Claims 1 to 13 have been canceled and new claims 14 to 24 have been added. No new matter has been introduced. Entry of this Amendment is respectfully requested.

Respectfully submitted,
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Maria Guastella

ABSTRACT OF THE DISCLOSURE

The invention relates to a device for the determination of flow parameters of a fluid, in particular, the temperature and flow speed and changes therein, in a fluid flow for monitoring, a method for operating such a device, a determination method itself and a fire recognition or oxygen measuring device provided with such a device. The aim of the invention is the recognition of a slow or sudden blockage, crack or break in a pipe system (13) of an aspirative fire recognition device by means of a measurement technique, whereby an air flow sensor (1), operated with a constant excess temperature, is combined with a regulation algorithm, running in a microprocessor (4), for monitoring the fluid flow or the flow resistance in the pipe system (13). The required resistance of the air flow sensor (1) can thus be calculated according to an exact sensor calibration curve and a precise control loop (3) formed. The measured values recorded by the air flow sensor (1) are thus extremely reliable, such that changes in condition for the flow parameters provide information about the state of the pipe system (13) or the intake system.